

WE CLAIM:

1. A single composition for simultaneously coloring and highlighting hair to provide hair fibers having variations in tonality, hue, and/or shade, comprising, by weight of the total composition:

- 5 *sub a1*
- (a) 1-20% inorganic persulfate,
 - (b) 1-20% hydrogen peroxide,
 - (c) 0-10% of at least one cationic dye molecules; and
 - (d) 0.01-20% of one or more cationic surfactants.

2. The composition of claim 1 wherein the inorganic persulfate is an alkali metal or alkaline earth metal persulfate, or mixtures thereof.

3. The composition of claim 1 wherein the cationic dye molecules are selected from the group consisting of azo, phenazine, thiazine, and mixtures thereof.

4. The composition of claim 1 wherein the cationic surfactant comprises a quaternary ammonium compound.

5. A one step method for simultaneously coloring and highlighting hair to provide hair fibers having variations in tonality, hue, and/or shade comprising the steps of:

sub a2

- (a) combining, immediately prior to use, (i) a powder composition comprised of at least one alkali metal or alkaline earth metal persulfate, (ii) an aqueous developer composition comprised of hydrogen peroxide; and (iii) an aqueous based colorant composition; and

20 (b) applying the mixture of (a) to the hair for a period of time sufficient to cause coloration and highlighting of the hair.

6. The method of claim 5 wherein the powder composition comprises 15-65% by weight of the total composition of sodium or potassium persulfate, or mixtures thereof.

7. The method of claim 6 wherein the powder composition further comprises 5-60% by weight of the total composition of one or more particulate fillers.

8. The method of claim 7 wherein the powder composition further comprises 0.01-2% by weight of inorganic colorant.

5 9. The method of claim 5 wherein the aqueous developer composition comprises, by weight of the total composition, 50-99% water, 1-30% hydrogen peroxide, and 0.01-30% of an oily phase.

10. The method of claim 9 wherein the aqueous developer composition additionally comprises 0.01-10% of a film forming polymer

11. The method of claim 5 wherein the aqueous based colorant composition comprises, by weight of the total composition, 0.01-10% of one or more cationic dye molecules.

12. The method of claim 11 wherein the cationic dye molecules are selected from the group consisting of azo, phenazine, thiazine, and mixtures thereof.

13. The method of claim 12 wherein the aqueous based colorant has a pH of 4 to 7.

14. The method of claim 13 wherein the aqueous based colorant composition further comprises 0.01-20% of a cationic surfactant.

15. The method of claim 12 wherein the aqueous based colorant further comprises, by weight of the total composition, 0.01-300% of a silicone selected from the group consisting of volatile silicone, nonvolatile silicone, and mixtures thereof.

16. The method of claim 15 wherein the aqueous based colorant composition further comprises 0.1-20% humectant.

17. The method of claim 12 wherein the aqueous based colorant composition further comprises 0.1-10% of one or more protein derivatives.

18. The method of claim 5 wherein the mixture of (a) comprises, by weight of the total mixture, about 1-30% (i); 20-60% of (ii); and 20-60% of (iii).

19. The method of claim 18 wherein the mixture of (a) has a pH of about 7.5 to 11.

20. The method of claim 19 wherein the mixture of (a) is applied to the hair for about 5 to 40

5 minutes and then rinsed out with water.

add
a⁴

add
B¹

add
C⁸

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